ITINERARY OF ILLINOIS HIGH SCHOOL SCIENCE TEACHERS' FIELD CONFERENCE PARIS, SEPTEMBER 28, 1935

Assemble at Paris High School to depart at 9 A.M. provided with basket lunches. Face cars south on State Highway Route No. 1.

Mileage	
.0	Paris High School.
.3	Junction with U.S. Highway No. 150. Continue straight ahead.
.6	Railroad crossing with signal. Caution.
1.0	Observe gently undulatory but generally level surface of plain.
3.0	Observe more hummocky surface, more pronounced erosion of stream channels, and yellowish pebbly clay exposed in road cuts and stream banks.
4.8	Stop 1. Outer slope of Shelbyville (outer Wisconsin) moraine. Relations of moraine to Illinoian till plain beyond and character of Wisconsin till will be observed.
5.0	Leaving Shelbyville moraine.
5.5	Note general flatness of Illinoian till plain and, on looking back, observe how the Shelbyville moraine rises sharply from the plain.
6.7	Turn east (left) on gravel road.
8.0	Turn south (right).
8.3	Turn east (left).
9.0	Turn south (right).
9.2	Turn east (left).
9.6	Turn about, at entrance to farmyard. Be careful not to damage private property.
9.7	Stop 2. Stratigraphic section of Pleistocene glacial and interglacial materials exposed in south bank of creek:-

	Thickness in ft.
Peorian and Late Sangamon (interglacial)	
1. Loess, silty, yellowish to buff	8±
Illinoian (glacial)	
2. Gumbotil, yellowish-brown, plastic (weathered during Early Sangamon interglacial).	3±
3. Till, yellowish-brown, cracked	3±
4. Till, yellowish-brown, calcareous	2±
5. Till, dark, calcareous; base lies unevenly on undulatory surface of underlying soil.	9±
Yarmouth (interglacial)	
6. ~~Bed~~ Old soil, silty (alluvial), contains abundant fragments of wood, some possibly in place	0-4
Kansan (glacial)	
7. Gumbotil, greenish-bluish, plastic (weathered during Yarmouth interglacial); note undulatory surface	2-6

10.0	Turn north (right).
10.2	Turn west (left).
11.0	Turn south (left).
11.3	Stop 3. Typical gray Illinoian gumbotil.
12.7	Stage Highway Route No. 1. Caution. Turn south (left) for one-fourth mile.
13.0	Turn west (right) on gravel road.
14.2	Turn north (right).
14.5	Turn west (left). Note flat bottom and asymmetry of valley- steep slopes on west wall, gentle slopes on east wall.
16.0	Observe typical flatness of Illinoian till plain.
16.7	Illinoian gumbotil and till exposed in cuts along road west of creek valley.
17.3	Creek crossing. Note cross-bedded sandstone (Pennsylvanian) at northwest and southeast corners of concrete.
17.9	Flemington. Turn west (left). Road ascends and runs along outer slope of Shelbyville moraine. Note hummocky topography, as contrasted with flat Illinoian till plain.
19.2	Turn south (left). Descending Shelbyville moraine. Drive carefully,- loose gravel.

Mileage	
19.7	Turn west (right).
20.4	Jog south (left) and west (right) and follow winding road west and south.
20.9	Turn west (right).
21.9	Turn north (right).
22.2	Caution - bear left away from farmyard.
23.5	Observe Shelbyville moraine rising from Illinoian till plain half a mile ahead.
22.7	Turn east (right).
23.3	Stop 4. Nicholson and Clapp's agstone quarry in LaSalle limestone of Pennsylvanian age. Limestone overlain by sandstone, with thin shale between. If time permits, strata below limestone may also be examined along creek below quarry.
	Continue north.
23.5	Begin ascent of Shelbyville moraine.
24.2	Stop 5. Subglacial valley and gravel terrace.
25.1	Jog left.
27.4	U.S. Highway No. 150. Caution. Turn east (right) and follow highway into Paris, to junction with State Highway Route No. 1.
34.0 *	Railroad crossing without signal. Caution.
34.5	Junction with State Highway Route No. 1. Turn north (left) and follow highway through Paris.
35.2	Railroad crossing. Caution.
35.3	Detour ? west (left) one block.
36.7	Enter Twin Lakes Park on west (left) side of highway at north edge of Paris. Drive slowly (note 10-mile speed limit) as driveway is full of chuck-holes.
36.9	Bear right,- one-way traffic.
37.1	Stop 6. Park for lunch.
	Resume journey after lunch; continue on one-way drive.
37.6	Leave park. Turn north (left) on State Highway Route No. 1.
38.0	Ascending Cerro Gordo moraine.
39.9	Note large glacial boulder just inside fence of pasture on west side of road.
42.3	Excellent exposures of Wisconsin drift in banks of stream just east of highway.
46.3	Bloomfield. Turn east (right) on gravel road. Drive carefully, on account of occasional chuck-holes.
46.6	Bear right.
46.9	Turn east (left) across Brouillet Creek. Beyond the valley lies a generally flat outwash plain composed of sand and gravel derived from the Champaign moraine eight miles north. The sand and gravel covers a slightly undulatory till plain and consequently varies in thickness, being thicker in pre-existing depressions and thinner over pre-existing elevations. Exposures of the gravel may be noted in road cuts.
47.2	Jog right, then left.
51.2	Bear left (northeast).
51.7	Turn south (right).
52.6	Reputed Indian mound a few rods west of road may be hill of till or gravel isolated by erosion.
52.8	Turn east (left).
53.3	Turn south (right). Note low ridges, presumably bar deposits constructed by outwash waters near the junction of two principal channels in the valleys to the east and southwest.
53.6	Turn east (left).
53.9	Stop 7. Good exposures of Wisconsin outwash over Wisconsin till.
55.5	Turn south (right).
58.02	Turn west (right).
58.4	Optional stop. Wisconsin outwash over Wisconsin till. Bear north (right) and west (left).
58.9	Turn south (right).
59.1	Another good exposure of outwash over till.
59.4	Pennsylvanian shale with ironstone concretions on south bank of Brouillet's Creek. Optional stop. Beyond this point south to a line about east of Paris bedrock lies so near the surface that it controls the topography, and the elevations in the area are bedrock hills, not morainic swells.
59.6	Martin's coal mine on west side of road is in No. 7 coal.
60.7	Turn west (right).
(61.5	If time, weather, and road conditions permit, a side trip and additional stop may be made by turning north (right) for half a mile to examine a 65-foot exposure of Pennsylvanian shale and sandstone. Return to same point.)
* 34.2	Railroad crossing with signal. Caution.

Mileage

62.5 Turn south (left).

63.5 Turn west (right).

64.5 Tresner. Stop 8. Old limestone quarry visited nearly 75 years ago during Worthen survey. Famous fossil collecting site and supplied some of Worthen's type fossils. Stratigraphic section:-

	Thickness in ft.
Limestone, massive, gray, highly fossiliferous	3 1/2
Shale, gray, thin-bedded	1
Limestone, gray, weathering to thin buff slabs, highly fossiliferous	10 ±
Shale, black, laminated	2
Coal	2/3
Underclay, blue and buff	2-3
Shale, sandy, grayish-blue, thin-bedded, with 2-foot bed of massive sandstone near top	10

Shale, gray

This stratigraphic section is almost continuous for a mile and a half downstream northeast and passes through two lower cyclothems, each with shale, limestone, coal, and sandstone members, which may be examined if time and other conditions permit.

September 30, 1935

MEMORANDUM for Dr. Leighton:

The High School Science Teachers' Geological Field Conference which I conducted out of Paris on Saturday, September 28, was attended by 35 persons, as follows:-

Teachers at Eastern Illinois State Teachers' College, at Charleston: (3)

Misses Annie L. Weller, Ruby M. Harris, and Rose Zeller

High School Teachers: (11)

John R. Moss, Superintendent of Schools, Paris
C. J. Little (Chemistry), Paris
Miss Margaret L. Steele (Science), Paris
Miss Fannie M. Lueckhaupt (Biology), Marshall
Georgia Henderson, Georgetown
Guy S. Krumml (Chemistry), Oblong
H. P. Leighly and Mrs. Leighly, Rantoul
Charles F. Scherer, Rock Junior, East St. Louis
L. E. Osborn, Rock Junior, East St. Louis
Julian Neill, Southton

Students, Eastern Illinois State Teachers' College, Charleston: (7)

Mae Lee White, Herman A. Monts, Mary Ewing, Mary Frances Hermans, Thomas W. Chamberlin, Bonnie Fletcher, Elizabeth Taylor

High School Students: (2)

Eugene G. Snapp, Georgetown
B. Morris Henderson, Georgetown

Miscellaneous: (2)

John W. Whalen, Surveyor, Graymont
Ralph W. Alberts, Machinist, Oak Park

Unclassified (includes many high school students): (10)

W. A. Dennis and daughters Dorothy and Elizabeth, Paris. (Mr. Dennis' father is owner or editor of Chicago Daily News, I was given to understand)
Archalie Hickman, Paris
Nadine Howell, Paris
Velma Alexander, Paris
Mary Whitesell, Paris
Seeley Norman, Paris
Horatio Litton, Paris
George Paul Kotcher, Westville

Although the group was not large, it was the most enthusiastic, the most interested, the most attentive, the most appreciative, and asked the most intelligent questions of any of the groups I have ever conducted. There was not one who stood about as if bored or "threw

stones" either literally or figuratively. Every one, even the children, dug into exposures, picked up rocks, and collected fossils with complete enthusiasm. We were favored with an ideal autumn day and gravel roads on which the dust had been laid by the rain on Thursday and Friday so that they too were in ideal condition; even the geology was in fine condition. The one mishap of the trip was that Miss Weller slipped and injured her knee at Stop 3, requiring that she return to her home; we trust that no serious injury was incurred.

Miss Zeller was chosen as organizer for the district and displayed her interest by inquiring immediately as to what her duties were, where previous trips had been given in the district, suggestions for localities for the next year, etc. She will be an active enthusiastic organizer, I am sure.

One pertinent suggestion was offered to the effect that on the prospectus of trips there should be included an abstract of what geological features will probably be visited and discussed at each locality.

A copy of the itinerary and of the route map are filed in the technical files. Extra copies of the itinerary will be preserved temporarily.

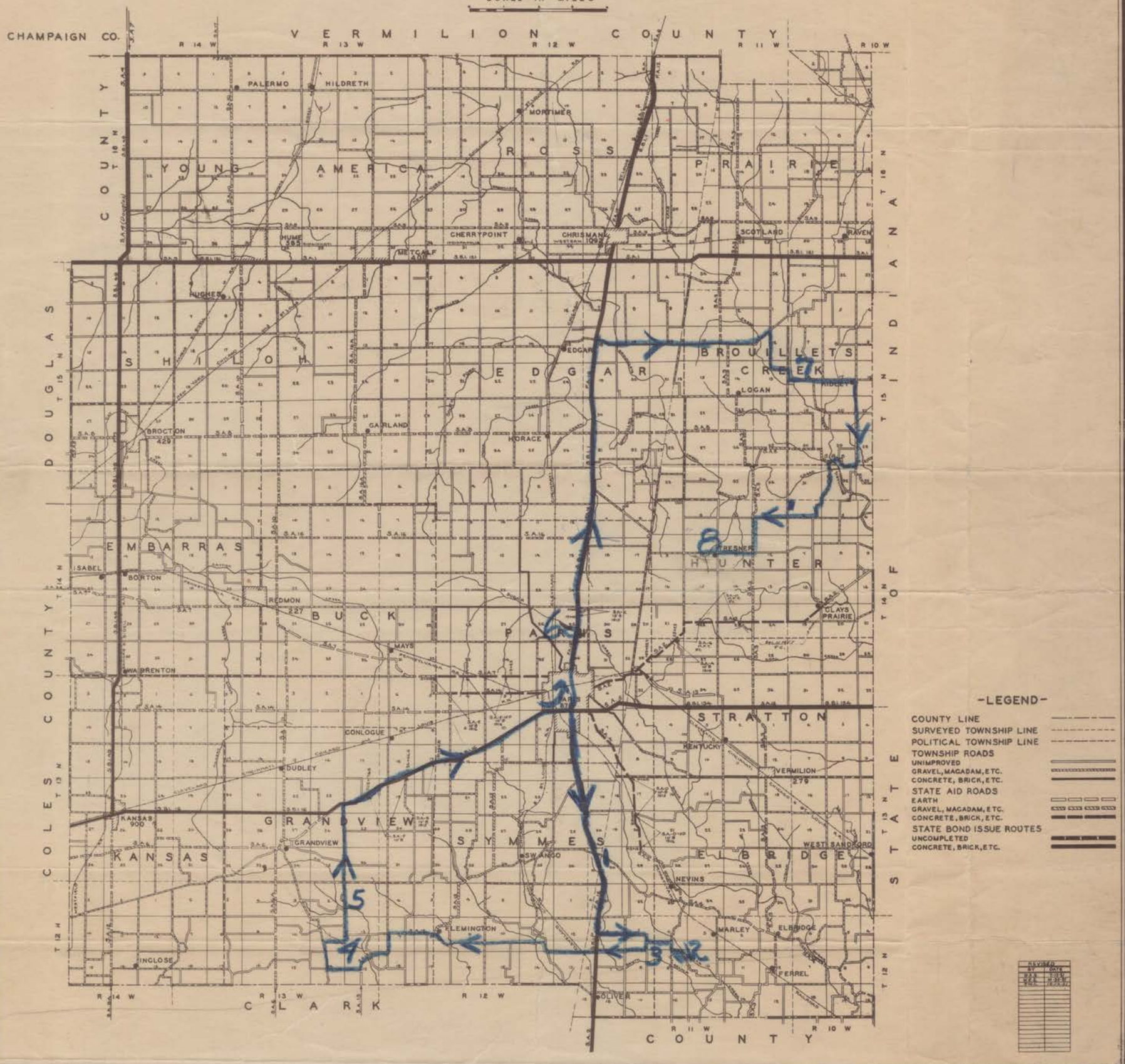
cc:
D. L. Carroll

George E. Ekblaw
Geologist and Head
Areal and Engineering Geology Division

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

EDGAR COUNTY

SCALE IN MILES



-LEGEND-

- COUNTY LINE
- SURVEYED TOWNSHIP LINE
- POLITICAL TOWNSHIP LINE
- TOWNSHIP ROADS
  - UNIMPROVED
  - GRAVEL, MACADAM, ETC.
  - CONCRETE, BRICK, ETC.
- STATE AID ROADS
  - EARTH
  - GRAVEL, MACADAM, ETC.
  - CONCRETE, BRICK, ETC.
- STATE BOND ISSUE ROUTES
  - UNCOMPLETED
  - CONCRETE, BRICK, ETC.

REVISED	
BY	DATE